BRUHAT BANGALORE MAHANAGARA PALIKE

Name of Work: Construction of rooms and other civil works at Ambedkar Bhavan(Balance portion) in

Sl No	Description of work	No	Dimensions L	B	D	Quantity	Unit
	Measurement						
1	**Earth work excavation for foundation of building** water sanitary lines and electrical conduits either in pits or in trenches 1.5m and above in width, in hard soil not exceeding 1.5m in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50m after breaking of colds complete as per specifications **Page No. 5 / Item No. 2.4 of PWD SR 2018-**						
	Passage	1	17.30	6.65	(0.30+0.40)/2	40.27	
	Passage b/n Ladies toilet & ambedka bhavan	1	6.63	1.10	(0.25+0.30)/2	2.01	
	Passage South side	1	20.00	(1.2+1.4)/2	(0.5+0.60)/2	14.30	
	Passage west side	1	11.60	0.75	(0.5+0.6)/2	4.79	
	Gate Coloum	2	1.95	1.95	1.50	11.41	
	Sanitory line	1	36.60	0.60	0.90	19.76	
	Drain	1	5.80	0.60	0.60	2.09	
		1	13.90	0.60	0.60	5.00	
	Ramp	1	17.30	2.10	(0.45+0.60)/2	19.07	
	West side levelling	1	11.60	8.20	0.25	12.48	
						131.18	
				Qty limited to		**130.72**	Cum

20/08/2020

Assistant Engineer
Ward No 13

Asst Executive Engineer
Shettyhalli Sub Division

Continued.....

2	KSRRB 300-3. Earthwork excavation by manual means for roads, drains & similar works in ordinary soil invoiving , excavated surface leveled & sides neatly dressed , the disposed earth to be levelled neatly after breaking of clods complete as per specification MORTH/ Chapter 3. (Page No. 142/ Item No. 19.1/ PWD SR 2018-19)						
	RCC Drain front	1	5.50	1.00	0.90	4.95	
	RCC Culvert at Road	1	9.80	1.80	1.20	21.17	
						26.12	
				Qty limited to		**25.74**	**Cum**

20/08/2020

Assistant Engineer
Ward No 13

Asst Executive Engineer
Shettyhalli Sub Division

Continued.....

3	KSRB 4-1.2 : Providing and laying in position plain **cement concrete of mix 1:3:6 with OPC** cement @ 220kgs, with 40mm and down size graded granite metal coarse aggregates @0.892cum and fine aggregates @ 0.465cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS **(P.No. 13/I.No. 4.2 CSR 2018-19**						
	Ground Floor						
	Passage	1	17.30	6.65	0.15	17.26	
	Passage b/n Ladies toilet & ambedka bhavan	1	6.63	1.10	0.15	1.09	
	Passage South side	1	20.00	(1.20+1.40)/2	0.15	3.90	
	Passage west side	1	11.60	0.75	0.15	1.31	

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಶೆಟ್ಟಿಹಳ್ಳಿ ಉಪವಿಬಾಗ, ದಾಸರಹಳ್ಳಿ ವಲಯ
ಬೃಹತ್ ಬೆಂಗಳೂರು ಮಹಾನಗರ ಪಾಲಿಕೆ

CC Culvert at Road	1	5.50	1.00	0.15	0.83	
Gate Coloum	1	9.80	1.80	0.15	2.65	
Drain	2	1.95	1.95	0.15	1.14	
	1	5.80	0.60	0.15	0.52	
Ramp	1	13.90	0.60	0.15	1.25	
	1	17.30	1.80	0.15	4.67	
					46.04	
			Qty limited to		44.17	Cum

Assistant Engineer
Ward No 13

Asst Executive Engineer
Shettyhalli Sub Division

Continued.....

4	Providing and laying plain/reinforced cement concrete for side drains using M20 nominal mix concrete with OPC at 300 kgs. with 20mm and down size granite metal coarse aggregates at 0.69 cum and fine aggregates at 0.43 cum machine mixed, well compacted for walls and bottom including centering, shuttering, cost of materials, HOM of machinery, curing etc., complete excluding cost of steel as per MORTH specification No. 1500, 1700, 2200. including cost of materials, labour, HOM complete as per specificationsdo- Wall & bottom thickness 15cm (I No-37.59.2,P No-271 pwd 2018-19)						
	For Bottom Raft						
	RCC Drain front	1	5.50	1.00	0.15	0.83	
	RCC Culvert at Road	1	9.80	1.80	0.15	2.65	
	Gate Coloum footing	2	1.50	1.50	0.60	2.70	
	For Wall						
	RCC Drain front	2	5.50	0.15	0.75	1.24	
	RCC Culvert at Road	2	9.00	0.25	0.90	4.05	
						11.46	
				Qty limited to		**10.43**	**Cum**

Assistant Engineer
Ward No 13

Asst Executive Engineer
Shettyhalli Sub Division

Continued.....

5	KSRB 4-1.6 ; Providing and laying in position plain cement concrete of Mix 1:2:4 with OPC @ 240kgs, with 20mm and down size gradedgranite metal Coarse aggregates @ 0.878 cum and fine aggregtes @ 0.53cum, machine mixed, concrete laid in layers not exceeding 15 cms.thick, well compacted, in foundation, plinth and cills, including cost ofall materials, labour, HOM curing complete as per specifications.						
	Flagging						
	Passage b/n Ladies toilet & ambedka bhavan	1	6.63	1.10	0.15	1.09	
	Passage South side	1	20.00	(1.20+1.40)/2	0.15	3.90	
	Passage South side	1	4.50	0.90	0.15	0.79	
	Passage west side	1	11.60	0.75	0.15	1.31	
	Ramp	1	17.30	1.80	0.15	4.67	
						11.76	
				Qty limited to		**10.14**	Cum

ನಡಾವಳಿ ಕಾರ್ಯನಿರ್ವಾಹಕ ಅಭಿಯಂತರರು
ಶೆಟ್ಟಿಹಳ್ಳಿ ಉಪವಿಭಾಗ, ದಾಸರಹಳ್ಳಿ ವಲಯ
ಬಿಬಿಎಂಪಿ ಪೌರಾಡಳಿತ ಮತ್ತು ಜಾರಿಗಳು ಪಾಲಿಕೆ
ಮಾರ್ಗ, ರಾಜ್ಯ, ರಾಜ್ಯಪಾಲರ, ಬೆಂಗಳೂರು

Assistant Engineer
Ward No. 13

Asst Executive Engineer
Shettyhalli Sub Division

Continued

26	Providing and laying flooring using prepolished water cut/gang saw 12mm thick granite tile over bed of 20mm thick 1:4 cm & jointed with neat cement slurry mixed with pigment to match shade of granite tiles including laying PCC on ferrated surface and cleaning the surface including the cost of all materials and labours etc. complete as per specifications using silver grey granite / Muddy Red / Ruby Red / Black / Hassan/Green Granite of width not less than 120mm						
	Front steps	1	1.70	0.15		0.26	
	Passage	1	17.90	0.90		16.11	
	Passage	1	17.90	0.85		15.22	
		2	6.70	0.15		2.01	
		1	3.90	0.15		0.59	
		1	7.15	0.20		1.43	
		1	3.90	0.45		1.76	
		1	8.65	0.15		1.30	
		1	5.90	1.85		10.92	
	Passage skirting	1	28.90	0.10		2.89	
	Kitchen kattle	1	11.15	0.15		1.67	
		1	5.80	0.10		0.58	
						108.44	
				Qty limited to		128.35	Sqm
						120.71	

EE(D)

Assistant Engineer
Ward No. 13

Asst Executive Engineer
Shettyhalli Sub Division

Continued

28	Providing and fixing on wall surface 4.0kg/Sq.cm H.D.P.E. rain down water pipes 90mm outer dia approved make and brand with necessary specials like shoes, bends and offsets fixed with iron clamps, wall plugs, screws, including cost of materials, labour, complete as per specification						
						35.00	
	Rain water pipe	5	7.00			8.90	
		3	2.30			41.90	Rmt

Asst Executive Engineer
Shettyhalli Sub Division

Assistant Engineer
Ward No. 13

Continued

29	Providing and fixing to wall, ceiling and floor high density polyethylene pipes 6.00kgf/sq.cm working pressure of outside diameter raising mains & exposed distribution pipes with special flangecompression type fittings, wall clips, making good the wall, ceiling and floor, including cost of all materials, labour charges, HOM and testing complete as per specifications 13.73.6 KSRB 13-8.9 : -do-140 mm dia m 741.0						
						12.00	
	For chamber canection	1	12.00				

Assistant Engineer
Ward No 13

Asst Executive Engineer
Shettyhalli Sub Division

Continued.....

33	Providing and fixing white vitreaus **china clay, flat back, lipped front urinal basin of 430x260x350mm** with 5 litre PVC automatic flushing cistren, C.I./M.S bracket, standard flush pipe and c.P. brass spreaders with brass union and G.I.Clamp Complete painting of fitting and brackets, cutting and making good the wall and floor wherever required , including cost of materials, labour complete as per specification							
	Ground floor	6					6.00	
							6.00	No

Assistant Engineer
Ward No 13

Asst Executive Engineer
Shettyhalli Sub Division

Continued.....

34	Providing skirting, dado, rises of steps with colour glazed tiles on 10mm thick cement plaster 1:3 and jointed with white cement slurry over rough plaster surface (excluding cost of rough plastered surface which should be measured and paid separately) using glazed tiles of approved make and size including cost of materials, labour, complete as per specifications. Specification No.KBS 14.16, 14.17 - Colour glazed tiles 30x45 cms 6mm thick with border of size 30 x 10 cms.							
	Ground floor Kitchen wall	2	13.40			1.50	40.20	
		6	1.10			1.75	11.55	
		1	4.20			1.75	7.35	
		1	2.70			1.75	4.73	
		1	6.10			1.00	6.10	
	First floor							
	Toilets wall	6	6.60			2.10	83.16	
	Deduct V	6	0.90			0.60	-3.24	
							149.85	
						Qty limited to	**131.09**	**Sqm**

EE(D)

Assistant Engineer
Ward No 13

Asst Executive Engineer
Shettyhalli Sub Division

Continued.....

35	Providing Ceramic tiles of approved make,shade and size for flooring, treads of steps and landings laid on a bed of 12mm thick, cement mortar 1:3 mix, flush pointing with white cement using colour pigment, including cost of materials, labour, curing, complete as per specifications. Ceramic tiles 30x30 cm							
	First floor toilet Flooring	6	1.20			2.10	15.12	
							15.12	Sqm

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಶೆಟ್ಟಿಹಳ್ಳಿ ಉಪವಿಭಾಗ, ದಾಸರಹಳ್ಳಿ ವಲಯ
ಬೃಹತ್ ಬೆಂಗಳೂರು ಮಹಾನಗರ ಪಾಲಿಕೆ
ಎಸ್.ಎಂ. ರಸ್ತೆ, ರವೀಂದ್ರನಗರ, ಬೆಂಗಳೂರು.

					2.00	
					2.00	No

Assistant Engineer
Ward No 13

Asst Executive Engineer
Shettyhalli Sub Division

Continued .....

Providing and applying painting in two coats with plastic emulsion paint of approved brand on wall surface to give an even approved shade after thoroughly brushing the surface, free from mortar drops and other foreign matter including preparing the surface even and sand paper smooth, cost of materials, labour, complete as per specifications. with primer						
Ground Floor						
Store ceiling	1	5.70	3.90		22.23	
Store L/wall	2	5.70		1.20	13.68	
Store S/ wall	2	3.90		1.20	9.36	
Store Inside Chajja	2	5.70		0.60	6.84	
Store Inside Chajja	2	3.30		0.60	3.96	
Gends & Ladies Toilet ceiling	2	5.70	3.90		44.46	
Gends Toilet wall	2	5.70		0.90	10.26	
Gends Toilet wall	2	3.90		0.90	7.02	
Ladies toilet wall	2	5.70		0.90	10.26	
Ladies toilet wall	2	3.90		0.90	7.02	
Kitchen Ceiling	1	13.40		5.70	76.38	
Kitchen L/wall	2	13.40		1.80	48.24	
Kitchen S/wall	2	5.70		1.80	20.52	
Kitchen L/beam side	1X2	13.70		0.30	8.22	
Kitchen S/beam side	2x2	5.70		0.30	6.84	
ceiling	1	19.90		1.50	119.40	
ceiling	1	4.00		1.50	24.00	
Deduct						
V	1	2.40		0.60	-5.76	
V1	6	1.80		0.60	-25.92	
					687.25	
First floor			209.00+478.25		**1094.26**	Sqm
Qty Same as Item No 22 & 23						

EE(D)

Assistant Engineer
Ward No 13

Asst Executive Engineer
Shettyhalli Sub Division

Continued.....

48	Providing and finishing external walls in two coats with waterproof cement paint of approved brand and shade to give an even shade after throughly brooming the surface to remove all dirt and loose powdered material, free from mortar drops and other foreign matter cost of materials, labour, complete as per specifications with primer Page no 120, Item No 15.53.2, PWD SR 2018-19					
	Ground floor kitchen					
	Balcony Ceiling	1x2	18.40	1.50		55.20
	Balcony Ceiling	1x2	5.50	1.50		16.50
	Balcony parapet wall	2	18.40		1.25	46.00
	Balcony parapet wall	2	4.00		1.25	10.00

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಶೆಟ್ಟಿಹಳ್ಳಿ ಉಪವಿಭಾಗ, ದಾಸರಹಳ್ಳಿ ವಲಯ
ಬೃಹತ್ ಬೆಂಗಳೂರು ಮಹಾನಗರ ಪಾಲಿಕೆ

nance Gate	1	5.35				
nance Gate	1	1.45		2.45	13.11	
	1	0.45		2.45	3.55	
				2.45	1.10	
					17.76	
			Qty limited to		17.44	Sqm

Assistant Engineer
Ward No 13

Asst Executive Engineer
Shettyhalli Sub Division

ntinued.....

ctangalur shape mirror of size 1500x450mm with plastic moulded frame Page xxvi Item No 680)

Ground floor						
First Floor	4				4.00	
	6				6.00	
					10.00	No

Assistant Engineer
Ward No 13

Asst Executive Engineer
Shettyhalli Sub Division

Continued.....

Providing and fixing self-supported, ribbed, high quality, high grade (D:350 MPAYst Min), pre- painted Galvalume steel roof sheet, coated with bare Galvalume coating AZ 150, @150 gms/Smtr 55%AL,45%Zn) by hot dip process , of total coated thickness as specified for different spans with a tolerance of+/- 0.02 mm, according to technical specification confirming to A 792, with NCCA11-1, or ECCAT4 Pencil hardness HB, NCCA standard T-Bend test. The roof should be fastened to the gutter beam, on the external sloping side, at an interval of 51mm Centre to Centre, to a depth of 65 mm with GI anchor bolts and neoprene washers & subjecting the gutter beam to Schmidt, Hammer test to ensure the anchorage of the anchor bolts. The self-supported roofing system should be designed to with stand the wind loacl (As per IS 875 part-3) & Earthquake load (as per IS 1893) & the design should also comply with any other technical requirements such as turbo ventilators of 0.60 mts. dia and skylights of size 4.26 x 0.60 mts. fixed one in each row @ 10.00 Mtr C/C along the length & hangers for electrical fixtures as per the requirements including cost of all materials &labour for erection, all lead and lift, loading and unloading, HOM of machineries etc., complete as per the standard detailed technical specification, design and directions of the engineer in charge of the work. P 311, It No 38.46.1 SR 2018-19

	1	2.75		5.65	15.54	
					15.54	Sqm

Assistant Engineer
Ward No 13

Asst Executive Engineer
Shettyhalli Sub Division

Continued.....

58	Providing and fixing stainless steel 304 grade for staircase railings, balconies, ramps, with hand rail, 50mm dia 16 guage hollow pipe welded to vertical hollow 50mm dia pipe of 16 guage, stainless steel vertical pipe spaced at 1.20m regular intervals and 5 Nos of 25mm dia. Stainless steel hollow horizontal pipe are welded to vertical 50mm dia hollow pipe. The entire assembly is fixed to staircase concrete by using expansion bolts by drilling concrete etc., complete including cost of materials, labour, HOM of and electrical charges, etc., complete as per specifications.						
	S S railing for Straicase Ground & first floor	1	16.10		1.05	**16.91**	
						16.91	Sqm

Assistant Engineer
Ward No 13

Asst Executive Engineer
Shettyhalli Sub Division

Continued.....

59	Manufacturing, supplying and fixing wooden ward robe of 0.60m deep using 19mm thick vinyl bonded water proof block board, shutters allround ward robe, lockable drawers with sliding channels, cupboard drapery hangers, curtain rods with end brackets, openable shutters with 19mm x 6mm thick plain teak wood beading, lipping 1.5mm thick commercial ply vertical support finished in approved 1 mm lamination sheet of approved colour, shade and quality on all exposed surfaces. Inner surface painted with 2 coats of white synthetic enamel paint over 2 coats of Patti, one coat of wood primer, including cost of brass fittings, parliamentary hinges, C handles, tower bolts, magnetic catches, approved brand lock, adhesives, synthetic resins, nails, screws etc., complete including cost of all materials, labour charges, complete as per specification						
	First floor Rooms	6	1.25		2.10	**15.75**	
						15.75	Sqm

Assistant Engineer
Ward No 13

Asst Executive Engineer
Shettyhalli Sub Division

Continued.....

60	Providing and laying in position to required level or slope 230mm internal diameter salt glazed stone ware pipe grade A and joiting with stiff mixture of cement mortar in 1:1 testing of pipes and joiting, including cost of materials, labour chargea complete as per specification						
		1	25.00			**25.00**	
		1	30.00			**30.00**	
						55.00	Rmt

Assistant Engineer
Ward No 13

Asst Executive Engineer
Shettyhalli Sub Division